

Title (en)  
HIGH MOISTURE VAPOR TRANSMISSION HOT MELT MOISTURE CURE POLYURETHANE ADHESIVE WITH EXCELLENT HYDROLYSIS RESISTANCE

Title (de)  
WASSERDAMPFDURCHLÄSSIGER HEISSSCHMELZPOLYURETHANKLEBSTOFF MIT AUSGEZEICHNETER HYDROLYSEBESTÄNDIGKEIT

Title (fr)  
ADHESIF THERMOFUSIBLE DE POLYURETHANNE DURCISSANT A L'HUMIDITE, EXTREMEMENT PERMEABLE A LA VAPEUR D'EAU ET RESISTANT A L'HYDROLYSE

Publication  
**EP 1151022 B1 20040414 (EN)**

Application  
**EP 00909940 A 20000120**

Priority  
• US 0001404 W 20000120  
• US 23418199 A 19990120

Abstract (en)  
[origin: WO0043433A1] This invention relates to a hot melt moisture cure polyurethane composition which is the reaction product of a polyether polyol formed from a compound selected from the group consisting of ethylene oxide, propylene oxide, 1,2-butylene oxide, 1,4-butylene oxide and mixtures thereof; a low molecular weight polyalkylene glycol having from 3 to 7 carbon atoms; a crystalline polyester polyol having a melting point from about 40 DEG C to about 120 DEG C; and at least one polyfunctional isocyanate component wherein said composition has a moisture vapor transmission rate of greater than about 100 g/m<2>/day film thickness of from about 450 to 500 g/m<2>, and hydrolysis resistance.

IPC 1-7  
**C08G 18/12**; **C08G 18/40**; **B32B 7/12**; **D06N 3/14**

IPC 8 full level  
**B32B 5/22** (2006.01); **B32B 7/12** (2006.01); **C08G 18/12** (2006.01); **C08G 18/40** (2006.01); **C08G 18/48** (2006.01)

CPC (source: EP US)  
**B32B 5/22** (2013.01 - EP US); **B32B 7/12** (2013.01 - EP US); **B32B 27/12** (2013.01 - US); **B32B 27/40** (2013.01 - US); **C08G 18/12** (2013.01 - EP US); **C08G 18/4018** (2013.01 - EP US); **C08G 18/4841** (2013.01 - EP US); **B32B 2307/724** (2013.01 - US); **B32B 2307/728** (2013.01 - US); **B32B 2375/00** (2013.01 - US); **B32B 2405/00** (2013.01 - US); **C08G 2170/20** (2013.01 - EP US); **Y10S 528/905** (2013.01 - EP US); **Y10T 428/263** (2015.01 - EP US); **Y10T 428/264** (2015.01 - EP US); **Y10T 428/265** (2015.01 - EP US); **Y10T 428/31551** (2015.04 - EP US)

Cited by  
EP1872661A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**WO 0043433 A1 20000727**; CN 1151189 C 20040526; CN 1341133 A 20020320; DE 60009862 D1 20040519; DE 60009862 T2 20050331; EP 1151022 A1 20011107; EP 1151022 B1 20040414; HK 1042506 A1 20020816; HK 1042506 B 20040820; US 6133400 A 20001017

DOCDB simple family (application)  
**US 0001404 W 20000120**; CN 00804075 A 20000120; DE 60009862 T 20000120; EP 00909940 A 20000120; HK 02103307 A 20020502; US 23418199 A 19990120